

APPENDIX I
LOST CREEK LAKE
PERTINENT DATA

August 1971

GENERAL

| | |
|--|---|
| Stream | Rogue River |
| County, State | Jackson, Oregon |
| Dam location | Sec. 26, 27, 34, T.33S., R.1E., W.M. |
| River mile above mouth | 158.6 |
| Drainage area - square miles | 674 |
| Airline distance from Portland, Oregon - miles | 205 south |
| Airline distance from Medford, Oregon - miles | 26.5 north |
| Spillway design flood - c.f.s. | 169,000 |
| Standard project flood - c.f.s. | 64,500 |
| Maximum discharge, observed (Dec. 1964) - c.f.s. | 49,000 |
| Mean annual discharge (1929-1965) - c.f.s. | 1,886 |
| Minimum monthly discharge (Sept. 1931) - c.f.s. | 619 |
| Mean annual runoff (1929-1965) - acre-feet | 1,366,000 |

STORAGE AND PRINCIPAL ELEVATIONS

| | |
|-----------------------------------|---------|
| Usable storage - acre-feet | 315,000 |
| Flood control storage - acre-feet | 180,000 |
| Inactive storage - acre-feet | 129,500 |
| Dead storage - acre-feet | 20,500 |
| Total storage - acre-feet | 465,000 |

ETL 1110-2-231
30 Mar 1979

PERTINENT DATA (Cont'd)

August 1971

STORAGE AND PRINCIPAL ELEVATIONS (Cont'd)

| | |
|---|-------|
| Elevation - maximum (full) pool-feet, m.s.l. | 1,872 |
| Elevation - minimum flood control pool-feet, m.s.l. | 1,812 |
| Elevation - minimum conservation pool-feet, m.s.l. | 1,751 |

LAKE

| | |
|---|-------|
| Area - maximum pool - acres | 3,423 |
| Area - minimum flood control pool - acres | 2,609 |
| Area - minimum conservation pool - acres | 1,799 |
| Length - miles | 10 |

DAM

| | |
|--|-------|
| Elevation - top of dam - feet, m.s.l. | 1,882 |
| Length - feet | 3,600 |
| Maximum height - foundation to top of dam - feet | 345 |

SPILLWAY

| | |
|--|--|
| Type | Concrete gravity, gated, ogee section |
| Elevation of crest - feet, m.s.l. | 1,823 |
| Crest length - feet | 135 |
| Design discharge - c.f.s. | 158,000 |
| Control gates (tainter) | 3 - 45' X 51' |
| Elevation - top of spillway gates - feet, m.s.l. | 1,874 |

PERTINENT DATA (Cont'd)

August 1971

OUTLET WORKS

| | |
|--|---|
| Type | Multiple-use intake tower, outlet tunnel, stilling basin |
| Operating slide gates | 2 - 6'6" X 12'6" |
| Emergency slide gates | 2 - 6'6" X 12'6" |
| Outlet tunnel | 12'6" diameter, circular, concrete lined |
| Length - feet | 943 |
| Discharge capacity at minimum flood control pool - c.f.s. | 9,860 |
| Discharge capacity at maximum and full pool - c.f.s. | 11,460 |
| Temperature control | Multiple level intake |
| Openings | At 4 levels |
| Openings each level | 3 - 8'0" X 15'0" |

POWER FACILITIES

| | |
|--------------------------|---------|
| Powerhouse | Indoor |
| Number of units | 2 |
| Type of turbine | Francis |
| Rating of each unit - KW | 24,500 |
| Installed capacity - KW | 49,000 |